

# Suppression Chokes

**D2230** = Product group; Product group discount D 22 3\_

## HARTU Suppression Chokes With VDE, For Dimmer Circuits, Open Mount Series: HD

### Application

The Hartu dimmer choke is the main component of a dimmer. It has to guarantee the EMI suppression as well as to assure flickering free operation of the circuit by building an attenuated LC circuit. The minimum safe load can be reduced using a suitable RC element parallel to the capacitive suppressor.

### Features

- Wound on hybrid non linear metal power
- High performance and long-term stability
- Very low acoustic noise emission level
- High working reliability with given load
- In accordance with EN 60938-2

### Technical Specifications

Part Nr.	$I_N$ [A]	$aws$ [dB]	$C$ [nF]	$R_{DC}$ [mΩ]	$P_{MN}$ [W]	$L_O$ [mH]	$L_{WS}$ [mH]	$\Delta T$ [K]
HD12412	1,4	52	68	500	60	1,9	6,6	53
HD32283	2,7	52	150	210	60	1,1	3,0	39
HD32300	4,0	54	150	150	125	1,5	3,7	57
HD32321	6,0	54	220	90	150	1,1	2,5	58
HD32320	6,0	52	220	90	75	1,0	2,0	54
HD32343	10,0	55	330	45	250	0,59	1,9	68

$I_N$  = Rated Current,  $aws$  = Effective Damping,  $C$  = Recommended Capacitors,  $R_{DC}$  = DC Resistance,  $P_{MN}$  = Minimum Load,  $L_O$  = Inductance, No Load,  $L_{WS}$  = Effective Inductance,  $\Delta T$  = Warming at 40°C Ambient Temperature

### Dimensions

Part Nr.	$D_a$ [mm]	$D_i$ [mm]	H [mm]
HD12412	23,5	5	12
HD32283	42	18	12
HD32300	40	14	17
HD32321	42	16	21
HD32320	42	16	21
HD32343	45	17	20

$D_a$  = Outer Diameter,  $D_i$  = Inner Diameter, H = Overall Height

### Note

This dimmer choke range when used with the indicated capacitor is suitable for screening in most dimmer circuits in accordance with EN 55014, noise degree N.

You will find suitable noise suppression capacitors starting at product group C5813.

### Approvals

VDE: 132228  EN 60938-2

### Terms of Delivery

Minimum order quantity: 1 PKU = 5 pieces

Articles in bold print in stock, other articles of 200 pieces upwards available on request, delivery time approx. 11 weeks.

**Manufacturer:** GÖTZ-UDO HARTMANN 

<http://www.hartu.de>

Part Nr.	Part description
HD12412	VDE Choke 1,9mH 1,4A
HD32283	VDE Choke 1,1mH 2,7A
HD32300	VDE Choke 1,5mH 4,0A
HD32321	VDE Choke 1,1mH 6,0A
HD32320	VDE Choke 1,0mH 6,0A
HD32343	VDE Choke 0,59mH 10,0A

